



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

JUL 18 2018

D212-580-043
Job Sheet 180858



004638

Part No: D212-580-043

Job Qty: 2 ea

Part Name: Led Pulse Light



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/17/18

Job Tracking No:

Due Date: 7/31/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV D IPP REV:A NEW ISSUE 10-05-11 JLM VERIFIED BY:DD IPP rev:B 10.10.12 AS PER ECN10-618 DD VERF:JLM IPP rev:C 10.11.22 AS PER ECN10-642 DD VERF:JLM IPP rev:D 10.12.16 AS PER ECN10-658 DD VERF:EC IPP rev:E 11.03.31 added D4377-1 DD VERF:EC IPP REV:F 12.02.24 as per DSI9596 rev a DD verf:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time
					Setup hrs	Run Hrs	Workcenter / Supplier		
90	Start up Operation	2 Ea	7/31/18	7/31/18	0.00	0.00	Start Up Stores/Pkg-1		
110	Packaging	2 pcs	7/31/18	7/31/18	0.00	0.00	Packaging1-3		
120	QC	2 pcs	7/31/18	7/31/18	0.00	0.00	QC4		
125	DC	2 pcs	7/31/18	7/31/18	0.00	0.00	DC		
130	Packaging	2 pcs	7/31/18	7/31/18	0.00	0.00	Packaging3-1		
140	QC21-FG	2 Ea	7/31/18	7/31/18	0.00	0.00	QC21		

Part Op 125 - Photocopy bluefile & type labels per PPPD212-580-043 CHG001
Descriptions: 130 - Identify and pack for shipping as per PPPD212-580-043 Location:FG018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
1-206062-4	Contacts, Sockets (P1000)	8 Ea (4 ea)	90-Start up Operation	5006212x4 5006213x4
1210/2405-2A	Pulse Light Module	2 pcs (1 ea)	90-Start up Operation	FM138472-1
205838-1	Connector, Plug (P3)	2 pcs (1 ea)	90-Start up Operation	FM138428-70
206458-1	Feed-Thru-Receptacle (J2/J3)	2 Ea (1 ea)	90-Start up Operation	5006214
206460-1	Connector, Plug (P2)	2 Ea (1 ea)	90-Start up Operation	5036475
206485-1	Connector, Plug (J1000)	2 Ea (1 ea)	90-Start up Operation	FM135998-70
206486-2	Connector, Socket (J1000)	2 Ea (1 ea)	90-Start up Operation	FM135998x1 505450x1
AN3-7A	Bolt	8 Ea (4 ea)	90-Start up Operation	5065267
AN4-17A	Bolt	4 Ea (2 ea)	90-Start up Operation	5070192
AN525-832R10	Screw	8 Ea (4 ea)	90-Start up Operation	FM137988-80
D4078-1	Clamp Half	4 Ea (2 ea)	90-Start up Operation	5088589x2 F158884x2
D4079-1	Clamp Half, Attachment	4 Ea (2 ea)	90-Start up Operation	F158889
D4081-1	Bushing	4 Ea (2 ea)	90-Start up Operation	F156901x3
D4377-1	Placard	2 Ea (1 ea)	90-Start up Operation	FM138080
EWLA1000DBDS0W	Led Light	4 pcs (2 ea)	90-Start up Operation	FM138080x3
M39029/63-368	Contacts, Sockets (P1000)	60 Ea (30 ea)	90-Start up Operation	5006750x1 5045640x59
M39029/64-369	Connector, Pins (J1000)	20 Ea (10 ea)	90-Start up Operation	FM138354-40x8
MS21042L04	Nut	8 Ea (4 ea)	90-Start up Operation	F125653
MS21042L08	Nut	8 Ea (4 ea)	90-Start up Operation	5044234
MS21042L3	Nut	14 Ea (7 ea)	90-Start up Operation	5078167
MS21042L4	Nut	4 Ea (2 ea)	90-Start up Operation	5089365

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																								
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Date : _____		Step #: _____		QTY Effective : _____		MRB (QSI042) Approval																																								
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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL: 1 813 632-5200 Email: sales@dartaero.com www.dartaerospace.com Container No: S095982 Part: D212 - 580 - 043 Job No: 180858 Serial No/Batch: S095982 Revision: _____ Inspector: _____ Exp Date: _____ Instructions: TC STC SH92 - 16 Issue 4-FA-166-TC SH975NE 11/03/24, EASA STC																																														
Root Cause <table style="width:100%; border: none;"> <tr><td>Environment ☐</td><td>No Re-verification ☐</td></tr> <tr><td>Design ☐</td><td>Operator ☐</td></tr> <tr><td>Doc/Data ☐</td><td>Offset/Setup ☐</td></tr> <tr><td>Equip/Tooling ☐</td><td>Supplier ☐</td></tr> <tr><td>Handling/Pre ☐</td><td>Training ☐</td></tr> <tr><td>Material ☐</td><td>Use for Testing ☐</td></tr> <tr><td>Internal Transport ☐</td><td>Poor Information ☐</td></tr> <tr><td>Tribal Knowledge ☐</td><td>Rushing ☐</td></tr> <tr><td>LOA ☐</td><td>Product Improvement ☐</td></tr> <tr><td>Substation ☐</td><td>Process Improvement ☐</td></tr> <tr><td>Past Expiry Date ☐</td><td>Manufacturing Process ☐</td></tr> <tr><td>Misidentified ☐</td><td>Past Due ☐</td></tr> </table>				Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	<table style="width:100%; border: none;"> <tr><td>☐ Cuffs</td><td>☐ Countersink</td><td>☐ UTT-set</td></tr> <tr><td>☐ Crushing</td><td>☐ Cut Too Short</td><td>☐ Mislabeled</td></tr> <tr><td>☐ Heat Treat</td><td>☐ Instructions Incomplete/Unclear</td><td>☐ Fit/Function</td></tr> <tr><td>☐ Wave/Twist in Tube</td><td>☐ Drill Holes</td><td>☐ Misaligned/off center</td></tr> <tr><td>☐ Marks/Chatter</td><td></td><td></td></tr> </table>				☐ Cuffs	☐ Countersink	☐ UTT-set	☐ Crushing	☐ Cut Too Short	☐ Mislabeled	☐ Heat Treat	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Wave/Twist in Tube	☐ Drill Holes	☐ Misaligned/off center	☐ Marks/Chatter		
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MS22073-3	Circuit Breaker	2 Ea (1 ea)	90-Start up Operation
MS24524-21	Switch (On-Off-On)	2 pcs (1 ea)	90-Start up Operation
MS26574-3	Circuit Breaker	2 Ea (1 ea)	90-Start up Operation
MS35206-217	Screw	8 Ea (4 ea)	90-Start up Operation
NAS1149D0363J	Washer	16 Ea (8 ea)	90-Start up Operation
NAS1149D0463J	Washer	8 Ea (4 ea)	90-Start up Operation
NAS1149DN432J	Washer	16 Ea (8 ea)	90-Start up Operation
NAS1149DN816J	Washer	16 Ea (8 ea)	90-Start up Operation

5024443
 FM138428.0X1 5036075X1
 5036076
 FM133799
 5015269X5 5068661X11
 5062379
 FM138326
 FM138084.0

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	1-206062-4	8	20	0
	1210/2405-2A	2	26	0
	205838-1	2	5	0
	206458-1	2	6	0
	206460-1	2	8	0
	206485-1	2	5	0
	206486-2	2	5	0
	AN3-7A	8	259	0
	AN4-17A	4	290	0
	AN525-832R10	8	52	0
	D4078-1	4	12	0
	D4079-1	4	6	0
	D4081-1	4	3	0
	D4377-1	2	10	0
	EWLA1000DBDS0W	4	4	0
	M39029/63-368	60	91	0
	M39029/64-369	20	33	0
	MS21042L04	8	105	0
	MS21042L08	8	1,513	0
	MS21042L3	14	1,855	0
	MS21042L4	4	3,803	0
	MS22073-3	2	9	0
	MS24524-21	2	7	0
	MS26574-3	2	4	0
	MS35206-217	8	816	0
	NAS1149D0363J	16	1,406	0
	NAS1149D0463J	8	6,980	0
	NAS1149DN432J	16	46	0
	NAS1149DN816J	16	158	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS					
	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐			
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐			
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐			
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐				

Date : _____	Step #: _____	QTY Effective : _____	MRB (QSI042) Approval ☐
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Description Work Order Deviation	Disposition	Completed By
		Lead hand / Supervisor Approval Verification
		QC / QA Coordinator Approval

Root Cause			FAULT CATEGORY		
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER : _____			

7.0 PARTS LIST

REFERENCE ONLY

Qty	Part Number	Description
X	D212-580-043	LED Pulse Light Kit
2	EWLA1000DBDS0W	LED Light
2	D4078-1	Clamp Half
2	D4079-1	Clamp Half, Attachment
2	D4081-1	Bushing
1	MS26574-3	Circuit Breaker
1	MS22073-3	Circuit Breaker
1	MS24524-21	Switch (On-Off-On)
1	1210/2405-2A	Pulse Light Module
1	206486-2	Connector, Socket (J1)
1	206485-1	Connector, Plug (P1)
1	206458-1	Feed-thru, Receptacle (J2/J3)
1	206460-1	Connector, Plug (P2)
1	205838-1	Connector, Plug (P3)
10	M39029/64-369	Contacts, Pins (J1)
30	M39029/63-368	Contacts, Sockets (P1/P2/P3)
4	1-206062-4	Connector Backshell
2	AN4-17A	Bolt
4	AN3-7A	Bolt
2	MS21042L4	Nut
7	MS21042L3	Nut
4	NAS1149D0463J	Washer
8	NAS1149D0363J	Washer
4	AN525-832R10	Screw
4	MS21042L08	Nut
8	NAS1149DN816J	Washer
4	MS35206-217	Screw
4	MS21042L04	Nut
8	NAS1149DN432J	Washer
1	D4377-1	Placard

REFERENCE ONLY

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Revision: D

Date: 12.06.13

REFERENCE ONLY

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Change Record

PAGE 1 OF 1

Part Number: D212-580-043

Description: LED PULSE LIGHT INSTALLATION

[illegible]

